



## Material Safety Data Sheet

**Product Name:** F-239

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### Section I – Manufacturer Identification

**Manufacturer's Name:** Brewer International **Address:** PO Box 690037 Vero Beach, FL 32969-0037

**Emergency Phone:** Chem Tel (800) 255-3924 **Information Phone:** (800) 228-1833

### Section II – Composition/Information on Ingredients

Alkylarysulfonates, alcohol, and inorganic acid neutralizing and chelating agents:

2- Butoxyethanol

CAS # 111-76-2 TLV Units 25ppm

### Section III – Health Hazard Data

**Eye:** Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, redness, swelling, and chemical burn of the eye.

**Skin:** Mild irritation of skin.

**Ingestion:** Harmful if swallowed.

**Inhalation:** Mist may cause irritation of the respiratory tract, experience as nasal discomfort and discharge, with chest pain and coughing.

**Other Effects:** Threshold limits established by raw material: 25 ppm. This product is not a carcinogen. 2-Butoxyethanol penetrates skin readily. Ingestion of significant quantities may result in red blood cell hemolysis.

#### **Section IV – Emergency and First Aid Procedures**

**Eye:** Immediately flush eye with water and continue washing for at least 15 minutes. Obtain medical attention.

**Skin:** Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before reuse.

**Inhalation:** Remove to fresh air. Obtain medical attention if symptoms persist.

**Ingestion:** Give two glasses of water. Do Not induce vomiting. Obtain medical attention.

**Other:** Treatment of overexposure should be directed at control of symptoms and the clinical condition of patient.

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#### **Section V – Fire Fighting Measures**

**Flash Point:** >208 Deg F.

**Fire Extinguishing Media:** Foam, Water fog, Dry chemical, ABC fire extinguisher.

**Fire and Explosion Hazards:** None

**Fire-Fighting Equipment:** None

#### **Section VI – Accidental Release Measures**

If material is released or spilled wear eye and skin protection. Floor may be slippery; use care to avoid falling. Contain spill immediately with inert materials (e.g. sand, earth). Avoid discharge to natural waters. Transfer liquids and solid diking material to suitable containers for recovery or disposal.

## **Section VII – Handling and Storage**

Use with adequate ventilation. Wash thoroughly after handling. Keep away from heat, sparks and flames.

## **Section VIII – Exposure Controls and Personal Protection**

**Ventilation:** Adequate ventilation.

**Respiratory Protection:** None needed

**Skin Protection:** Use of protective clothing is recommended.

**Eye Protection:** Wear full-face shield or goggles.

**Exposure Guidelines:** Use impervious gloves. Repeated skin contact could cause dermatitis

## **Section IX – Physical and Chemical Properties**

**Boiling Point:** >208 Deg. F.

**Vap. Pressure:** at 25 Deg. C. 23.76 mmHG

**Vap. Density:** not known

**Sol. In water:** Yes

**Sp. Gravity:** 1.06 @ 25 Deg. C.

**Appearance:** Blue

**Odor:** solvent

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## **Section X – Stability and Reactivity**

**Stability:** Stable

**Incompatibility:** Avoid high temperature.

**Hazardous Decomposition Products:** None Known

**Hazardous Polymerization:** Will not occur.

## **Section XI – Toxicological Information**

**\*\*Not listed as a carcinogen\*\***

## **Section XII – Ecological Information**

**\*\*Not Known\*\***

## **Section XIII – Disposal Considerations**

Check local, state and federal regulations.

## **Section XIV – Transport Information**

NMFC number is 4610, adjuvants. NFPA rating is 1- health, 0- fire, 0- reactivity, 0-specific hazard.

## **Section XV – Regulatory Information**

**Sara Hazard Category:** This product has been reviewed according to the EPA hazard categories under section 311 and 312 of SARA Title III, 1986, and is considered, under applicable definitions, to meet the following categories:

**Hazardous Components at level which require reporting are: None**

**OSHA Hazard Communications Standards, 29 CFR 1910.1200 – This product is not hazardous.**

The information herein is given in good faith, but no warranty, expressed or implied, is made. Consult Brewer International for more information. It is the user's obligation to determine the conditions of safe use of the product.

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